ELSEVIER

Forensic Science International
Vol. 183, Nos. 1–3, 10th January, 2009

Forensic Science International

www.elsevier.com/locate/forsciint

Contents

Abstracted in: *Biological Abstracts: Bulletin Signaletique: CABS (Current Awareness in Biological Sciences); Cambridge Scientific Abstracts; Chemical Abstracts: Criminology, Penology and Police Science Abstracts; Current Contents; EMBASE/Excerpta Medica; Medline/Index Medicus; National Criminal Justice Reference Service; Police Science Abstract; Science Citation Index; PubMed; Scopus.*

Review

The forensic evaluation of burned skeletal remains: A synthesis
D.H. Ubelaker 1–5

Research Articles

Freezing skeletal muscle tissue does not affect its decomposition in soil: Evidence from temporal changes in tissue mass, microbial activity and soil chemistry based on excised samples
K.L. Stokes, S.L. Forbes and M. Tibbett 6–13

The neuroendocrine effects of the TASER X26®: A brief report
D. Dawes, J. Ho and J. Miner 14–19

A novel method for the identification of saliva by detecting oral streptococci using PCR
H. Nakanishi, A. Kido, T. Ohmori, A. Takada, M. Hara, N. Adachi and K. Saito 20–23

Determination of Coleoptera fauna on carcasses in Ankara province, Turkey
S. Özdemir and O. Sert 24–32

Distribution and properties of gunshot residue originating from a Luger 9 mm ammunition in the vicinity of the shooting gun
Z. Brożek-Mucha 33–44

The effectiveness of strong afterglow phosphor powder in the detection of fingermarks
L. Liu, Z. Zhang, L. Zhang and Y. Zhai 45–49

On the sensitivity of some common metallographic reagents to restoring obliterated marks on medium carbon (0.31% C) steel surfaces
S.H. Yin and R. Kuppuswamy 50–53

Dynamic pressure measurement of cartridge operated vole captive bolt devices
M. Frank, K.P. Philipp, E. Franke, N. Frank, B. Bockholdt, R. Grossjohann and A. Ekkernkamp 54–59

Incidence of auditory ossicle luxation and petrous bone fractures detected in post-mortem multislice computed tomography (MSCT)
A. Hollinger, A. Christe, M.J. Thali, B.P. Kneubuehl, L. Oesterhelweg, S. Ross, D. Spendlove and S.A. Bolliger 60–66

Multiple murder and criminal careers: A latent class analysis of multiple homicide offenders
M.G. Vaughn, M. DeLisi, K.M. Beaver and M.O. Howard 67–73

Distribution of 6-monoacetylmorphine and morphine in head and pubic hair from heroin-related deaths
S. Lee, R. Cordero and S. Paterson 74–77

Rapid GC–MS confirmation of amphetamines in urine by extractive acylation
A.A.S. Marais and J.B. Laurens 78–86

An alternative approach to Computerized Tomography (CT) in forensic pathology
A.H. Thomsen, A.G. Jurik, L. Uhrenholt and A. Vesterby 87–90

A fatal poisoning involving Bromo-Dragonfly
M.F. Andreasen, R. Telving, R.I.D. Birkler, B. Schumacher and M. Johannsen 91–96

A comparison of hair colour measurement by digital image analysis with reflective spectrophotometry
M.R. Vaughn, R.A.H. van Oorschot and S. Baindur-Hudson 97–101

(Contents continued on page I)

0379-0738(20090110)183:1/3;1-Y

08021

ELSEVIER

Forensic Science International
Vol. 183, Nos. 1–3, 10th January, 2009

Forensic Science International

www.elsevier.com/locate/forsciint

Contents

Abstracted in: *Biological Abstracts: Bulletin Signaletique: CABS (Current Awareness in Biological Sciences); Cambridge Scientific Abstracts; Chemical Abstracts: Criminology, Penology and Police Science Abstracts; Current Contents; EMBASE/Excerpta Medica; Medline/Index Medicus; National Criminal Justice Reference Service; Police Science Abstract; Science Citation Index; PubMed; Scopus.*

Review

The forensic evaluation of burned skeletal remains: A synthesis
D.H. Ubelaker 1–5

Research Articles

Freezing skeletal muscle tissue does not affect its decomposition in soil: Evidence from temporal changes in tissue mass, microbial activity and soil chemistry based on excised samples
K.L. Stokes, S.L. Forbes and M. Tibbett 6–13

The neuroendocrine effects of the TASER X26®: A brief report
D. Dawes, J. Ho and J. Miner 14–19

A novel method for the identification of saliva by detecting oral streptococci using PCR
H. Nakanishi, A. Kido, T. Ohmori, A. Takada, M. Hara, N. Adachi and K. Saito 20–23

Determination of Coleoptera fauna on carcasses in Ankara province, Turkey
S. Özdemir and O. Sert 24–32

Distribution and properties of gunshot residue originating from a Luger 9 mm ammunition in the vicinity of the shooting gun
Z. Brożek-Mucha 33–44

The effectiveness of strong afterglow phosphor powder in the detection of fingermarks
L. Liu, Z. Zhang, L. Zhang and Y. Zhai 45–49

On the sensitivity of some common metallographic reagents to restoring obliterated marks on medium carbon (0.31% C) steel surfaces
S.H. Yin and R. Kuppuswamy 50–53

Dynamic pressure measurement of cartridge operated vole captive bolt devices
M. Frank, K.P. Philipp, E. Franke, N. Frank, B. Bockholdt, R. Grossjohann and A. Ekkernkamp 54–59

Incidence of auditory ossicle luxation and petrous bone fractures detected in post-mortem multislice computed tomography (MSCT)
A. Hollinger, A. Christe, M.J. Thali, B.P. Kneubuehl, L. Oesterhelweg, S. Ross, D. Spendlove and S.A. Bolliger 60–66

Multiple murder and criminal careers: A latent class analysis of multiple homicide offenders
M.G. Vaughn, M. DeLisi, K.M. Beaver and M.O. Howard 67–73

Distribution of 6-monoacetylmorphine and morphine in head and pubic hair from heroin-related deaths
S. Lee, R. Cordero and S. Paterson 74–77

Rapid GC–MS confirmation of amphetamines in urine by extractive acylation
A.A.S. Marais and J.B. Laurens 78–86

An alternative approach to Computerized Tomography (CT) in forensic pathology
A.H. Thomsen, A.G. Jurik, L. Uhrenholt and A. Vesterby 87–90

A fatal poisoning involving Bromo-Dragonfly
M.F. Andreasen, R. Telving, R.I.D. Birkler, B. Schumacher and M. Johannsen 91–96

A comparison of hair colour measurement by digital image analysis with reflective spectrophotometry
M.R. Vaughn, R.A.H. van Oorschot and S. Baindur-Hudson 97–101

(Contents continued on page I)

0379-0738(20090110)183:1/3;1-Y

08021

(Contents continued from outside back cover)

Online extra

Forensic Antropology Population Data
Comparison of the three age estimation methods: Which is more reliable for Turkish children?
B. Büken, Ö.U. Erzengin, E. Büken, A.A. Şafak, B. Yazıcı and Z. Erkol 103
Assessing forensic applications of the frontal sinus in a Chinese Han population
J.-P. Tang, D.-Y. Hu, F.-H. Jiang and X.-J. Yu 104

Case Reports
Arrhythmogenesis and diagnosis of cardiac sarcoidosis. An immunohistochemical study in a sudden cardiac death doi:10.1016/j.forsciint.2008.09.020
I. Riezzo, F. Ventura, S. D'Errico, M. Neri, E. Turillazzi and V. Fineschi e1–e5
Unusual suicides with band saws: Two case reports and a literature review doi:10.1016/j.forsciint.2008.09.017
F. Gloulou, M. Allouche, M.B. Khelil, O. Bekir, A. Banasr, M. Zhioua and M. Hamdoun e7–e10
Suspect burial excavation procedure: A cautionary tale doi:10.1016/j.forsciint.2008.10.013
A. Ruffell, C. Donnelly, N. Carver, E. Murphy, E. Murray and J. McCambridge e11–e16
Forensic evaluation of occupational marks in establishing identity—A case report doi:10.1016/j.forsciint.2008.10.018
B.S.K. Shetty, P.P. Jagadish Rao, K.S.M. Sameer, P.R. Salian and M. Shetty e17–e20

Rapid Communication
The difficult issue of age assessment on pedo-pornographic material doi:10.1016/j.forsciint.2008.09.005
C. Cattaneo, S. Ritz-Timme, P. Gabriel, D. Gibelli, E. Giudici, P. Poppa, D. Nohrden, S. Assmann, R. Schmitt and M. Grandi e21–e24

Erratum
Corrigendum to "Isolation and identification of unique marker compounds from the Tasmanian poppy *Papaver somniferum* N. Implications for the identification of illicit heroin of Tasmanian origin" [Forensic Sci. Int. 175 (2008) 202–208]
L.R. Odell, J. Skopec and A. McCluskey 105–106

Additional material available online.